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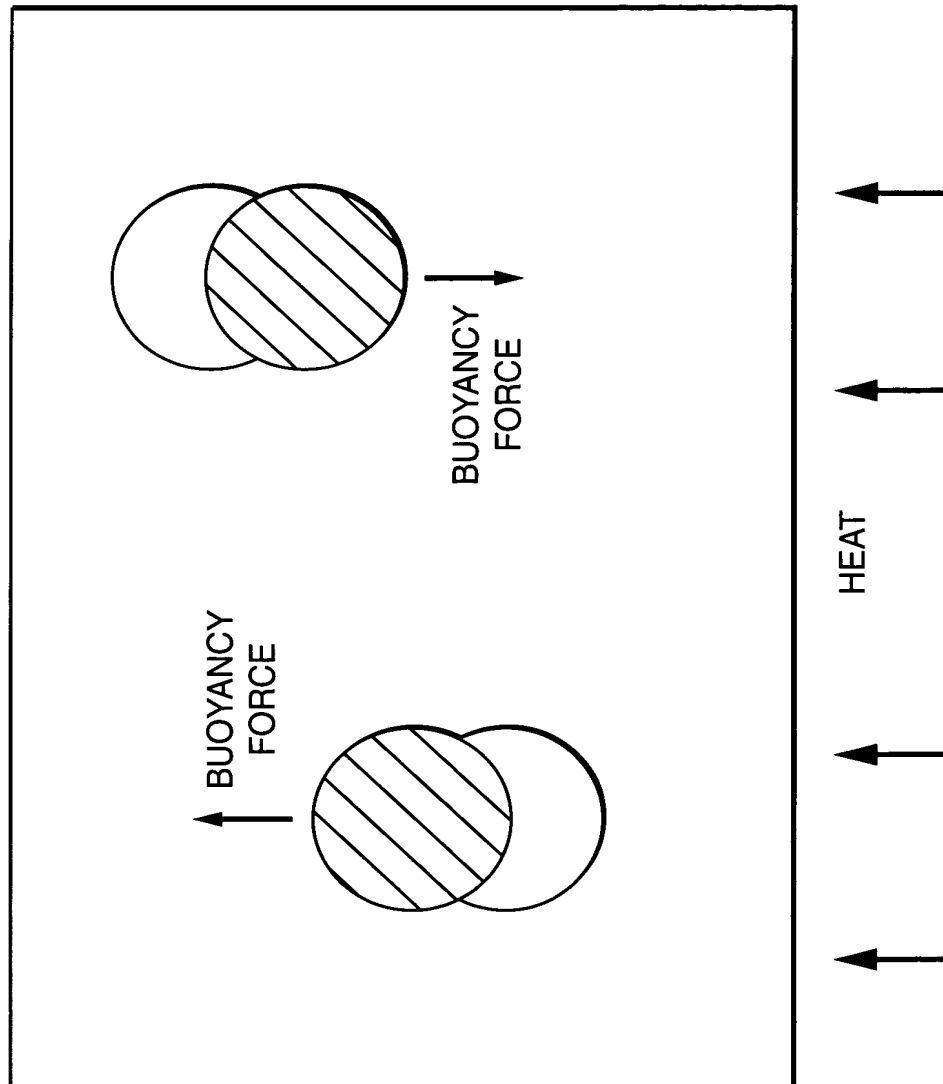


FIG. 1

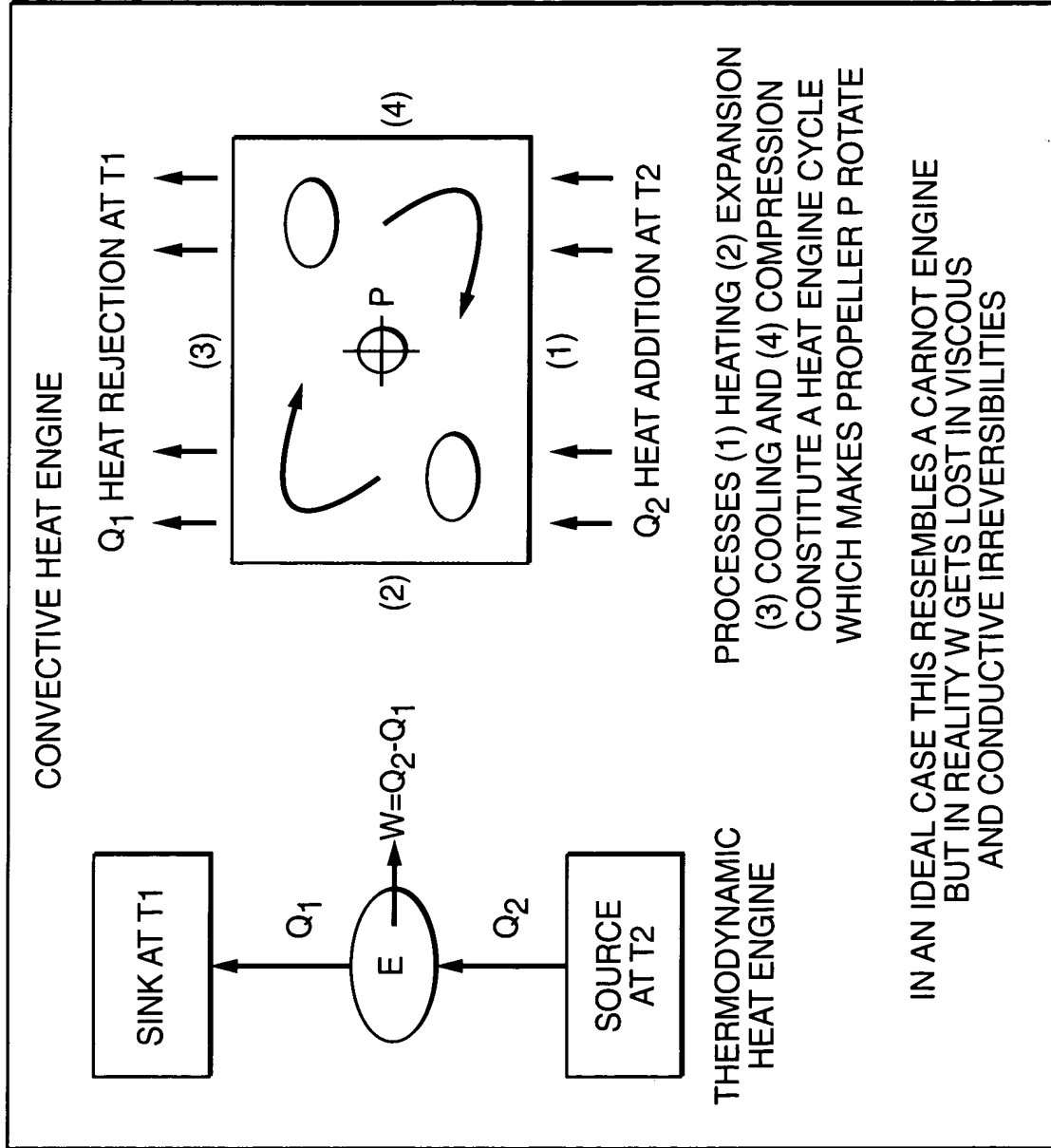


FIG. 2

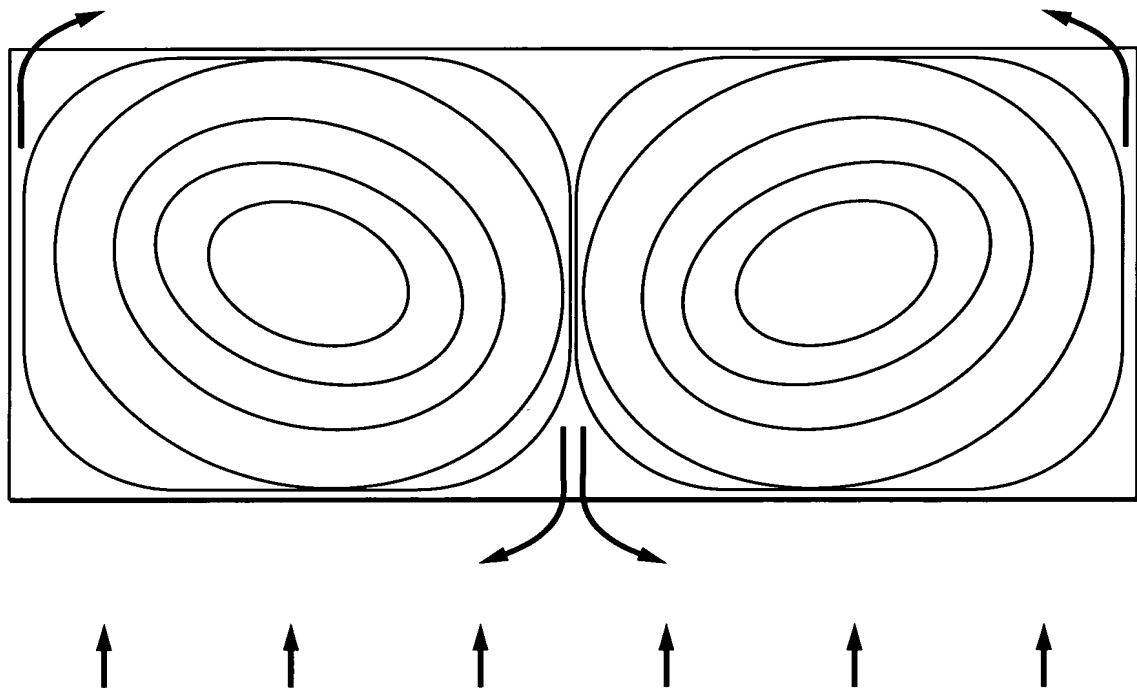


PLATE HEATED FROM BELOW

ENERGY IS TRANSFERRED FROM BOTTOM TO TOP BY THE
CONVECTION CELLS FORMED IN THE FLUID WHEN
 Ra EXCEEDS 1708. THE DIRECTION OF ROTATION OF
TWO ADJACENT CELLS ARE SHOWN IN THE FIGURE

FIG. 3

CLASSICAL MARBLE-IN-A-BOWL ANALOGY OF
STABILITY ANALYSIS OF ONSET OF CONVECTIVE FLOW

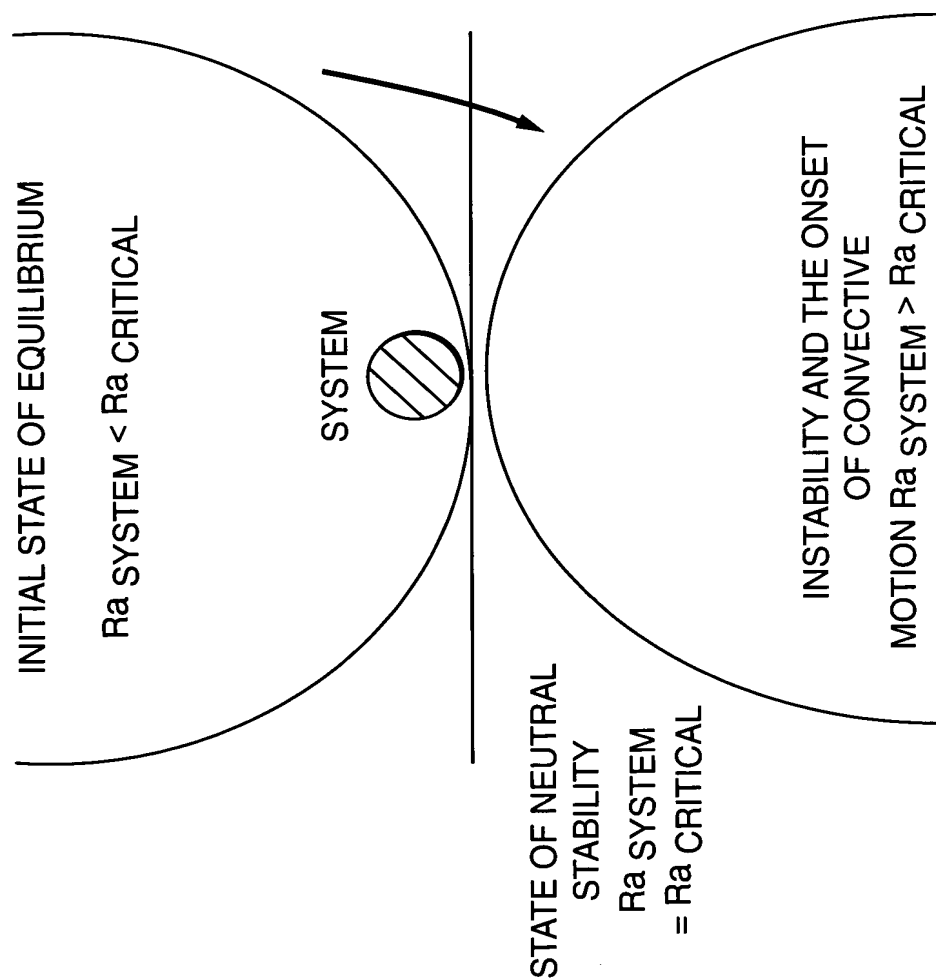


FIG. 4

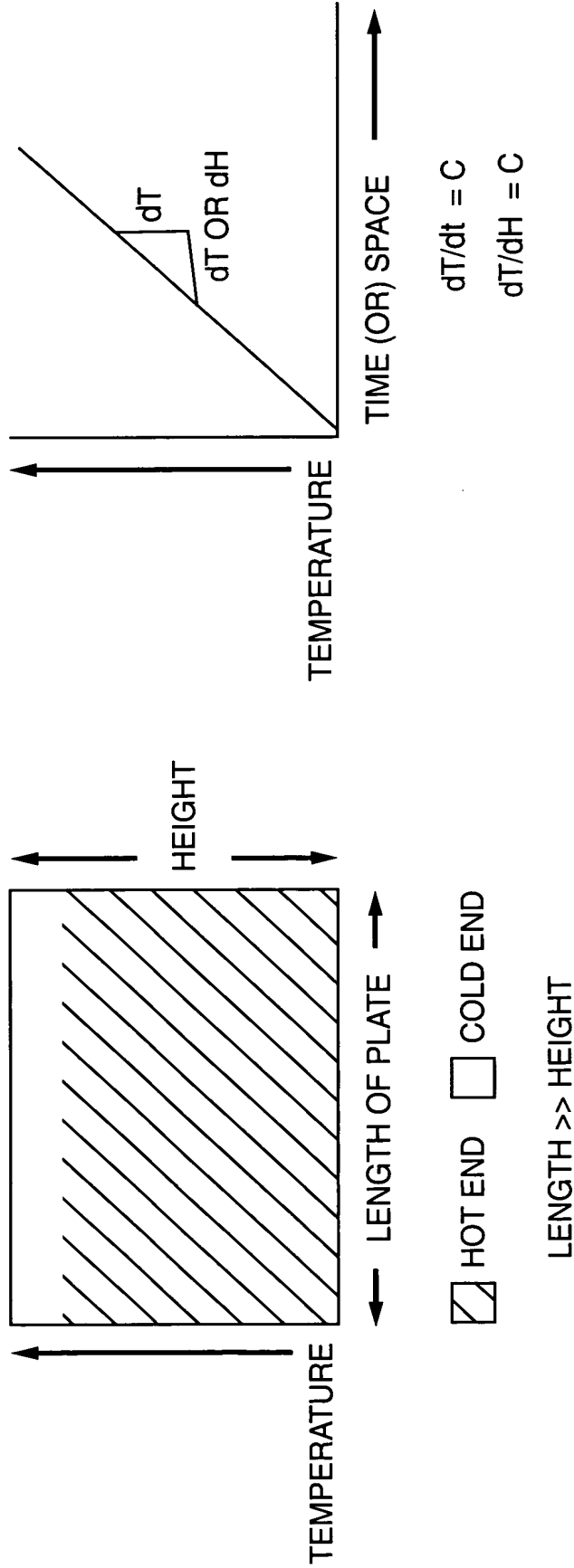


FIG. 5

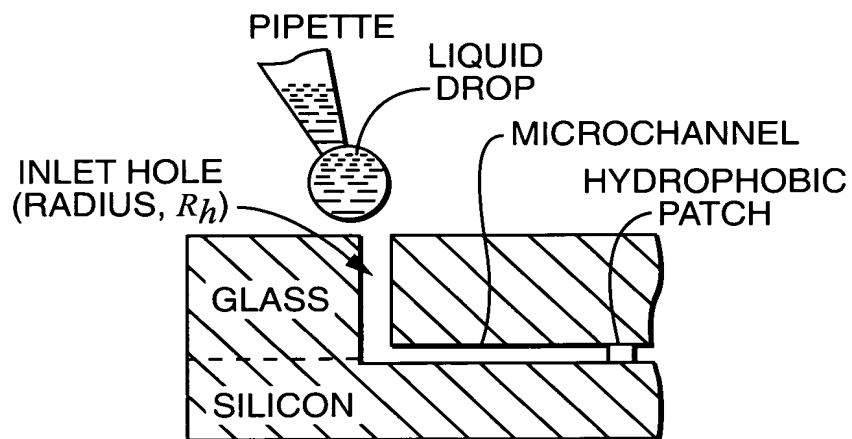


FIG. 6A

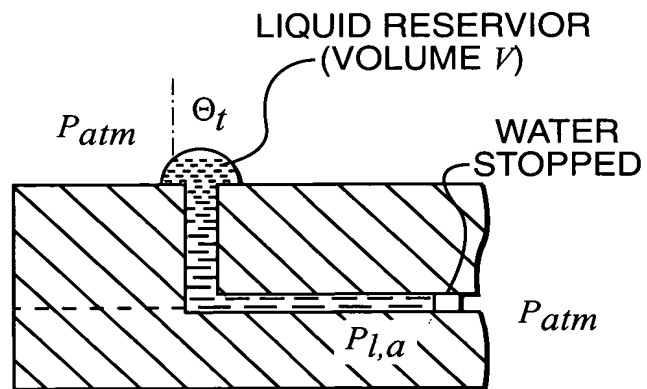


FIG. 6B

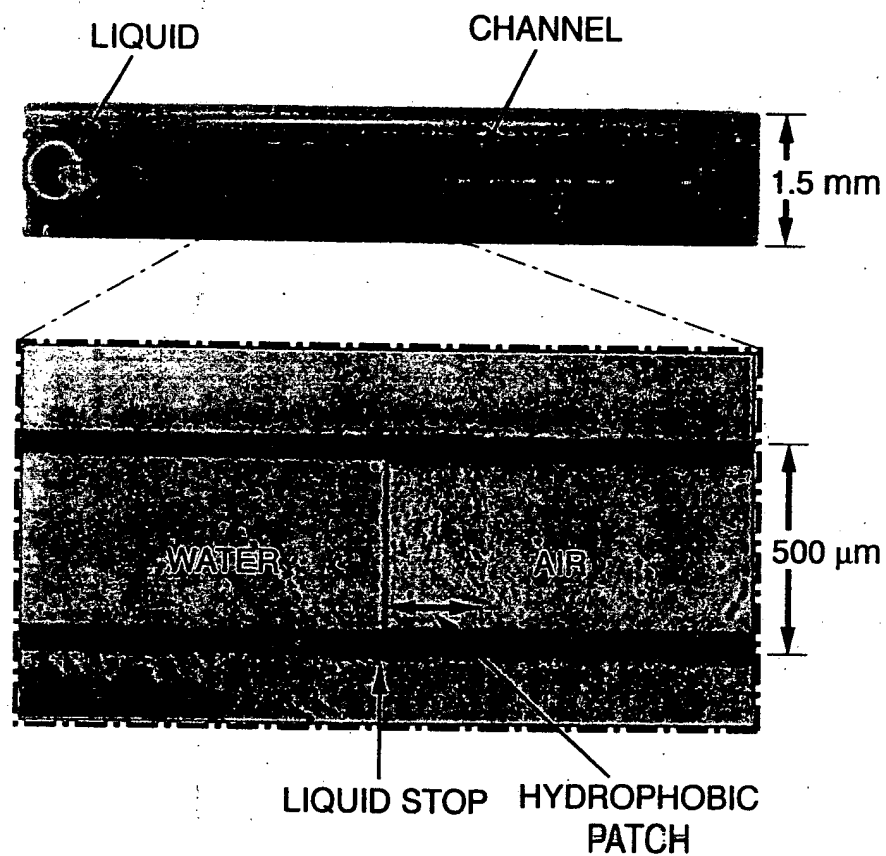


FIG. 6C

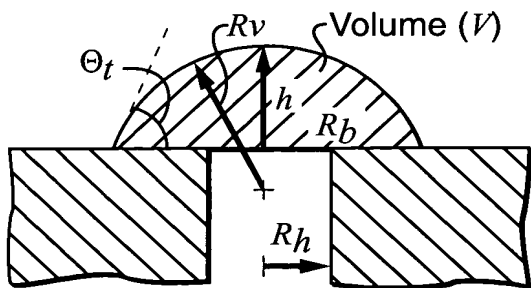


FIG. 7A

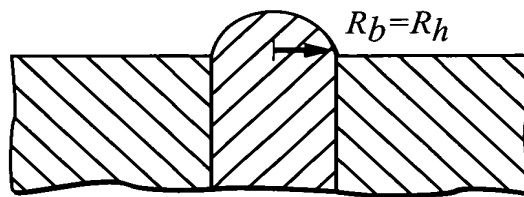


FIG. 7B

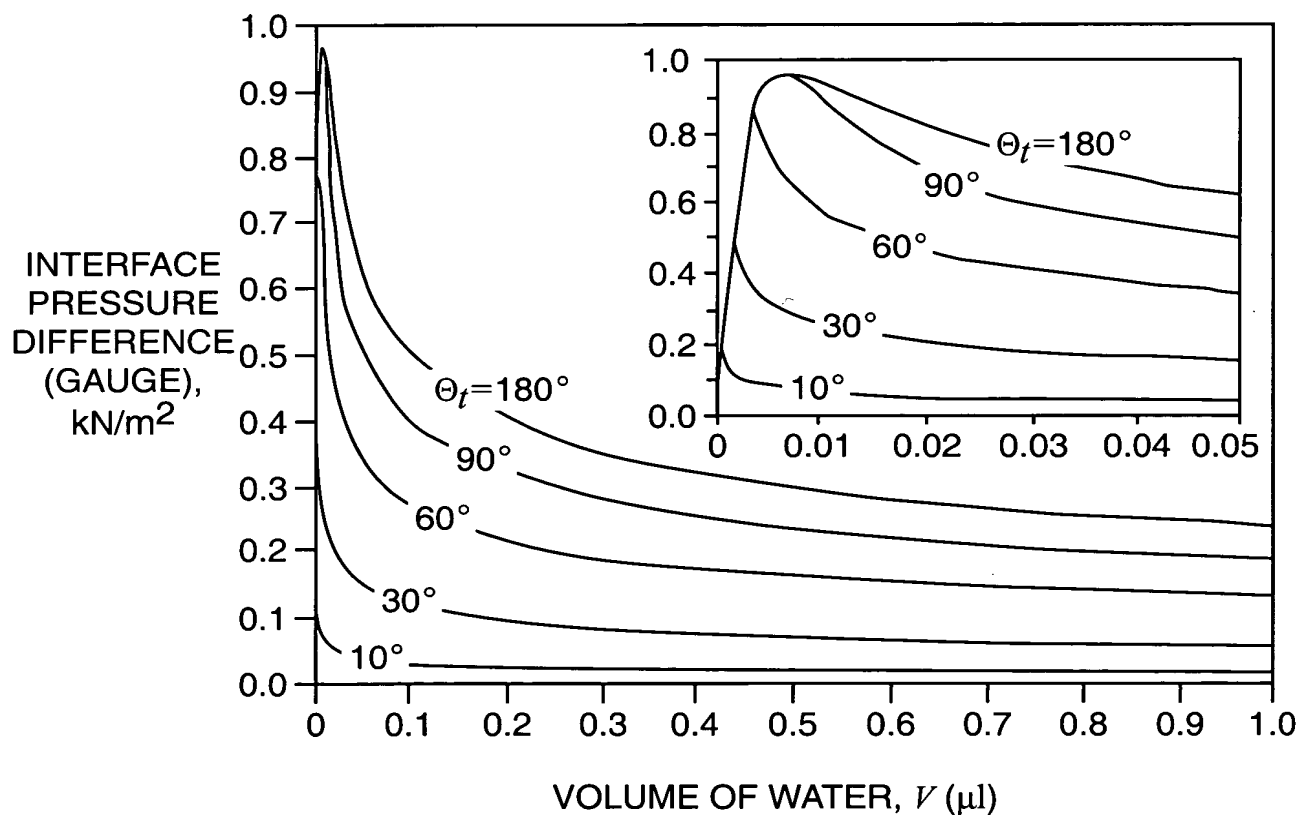


FIG. 7C

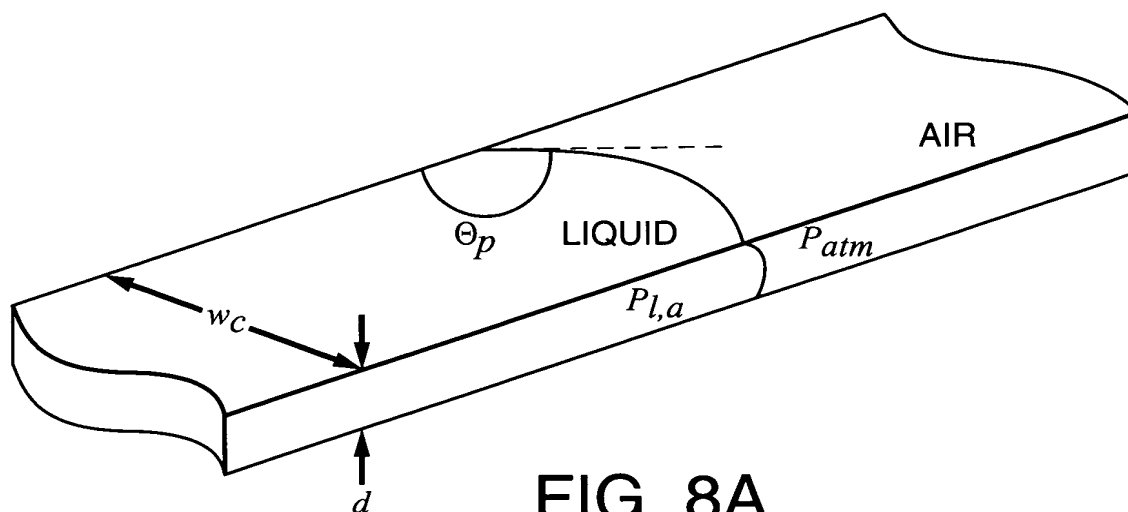


FIG. 8A

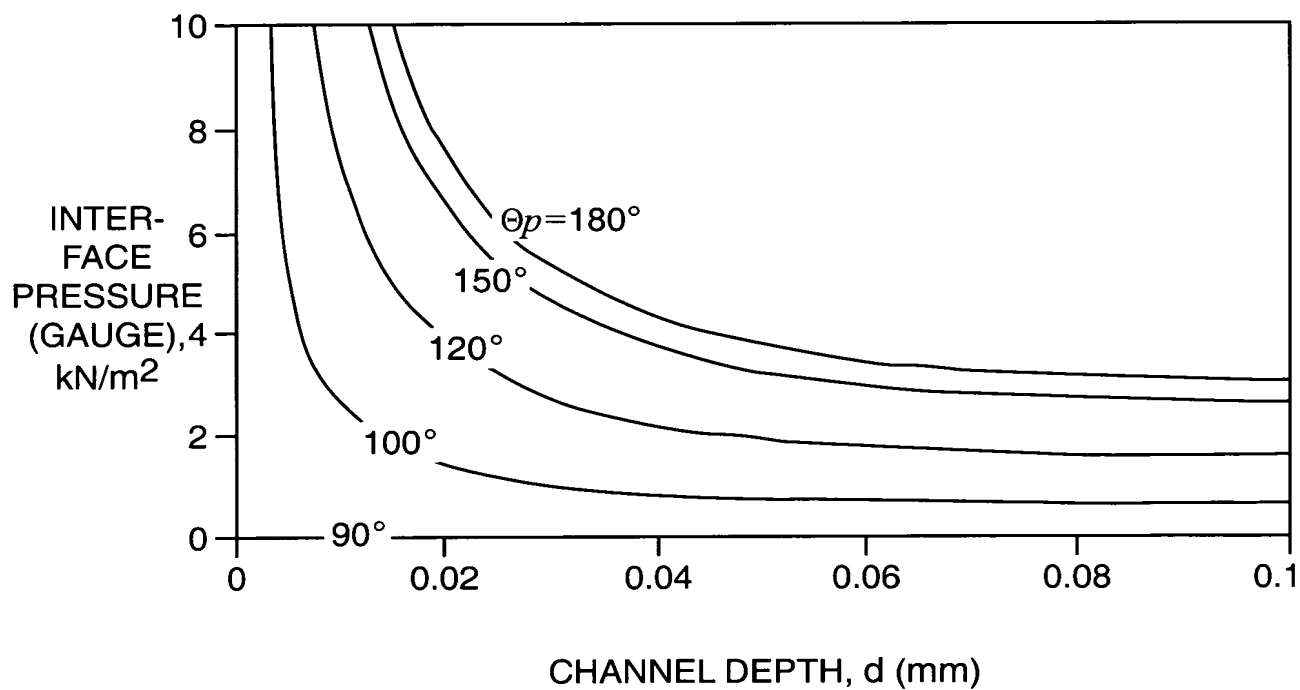


FIG. 8B

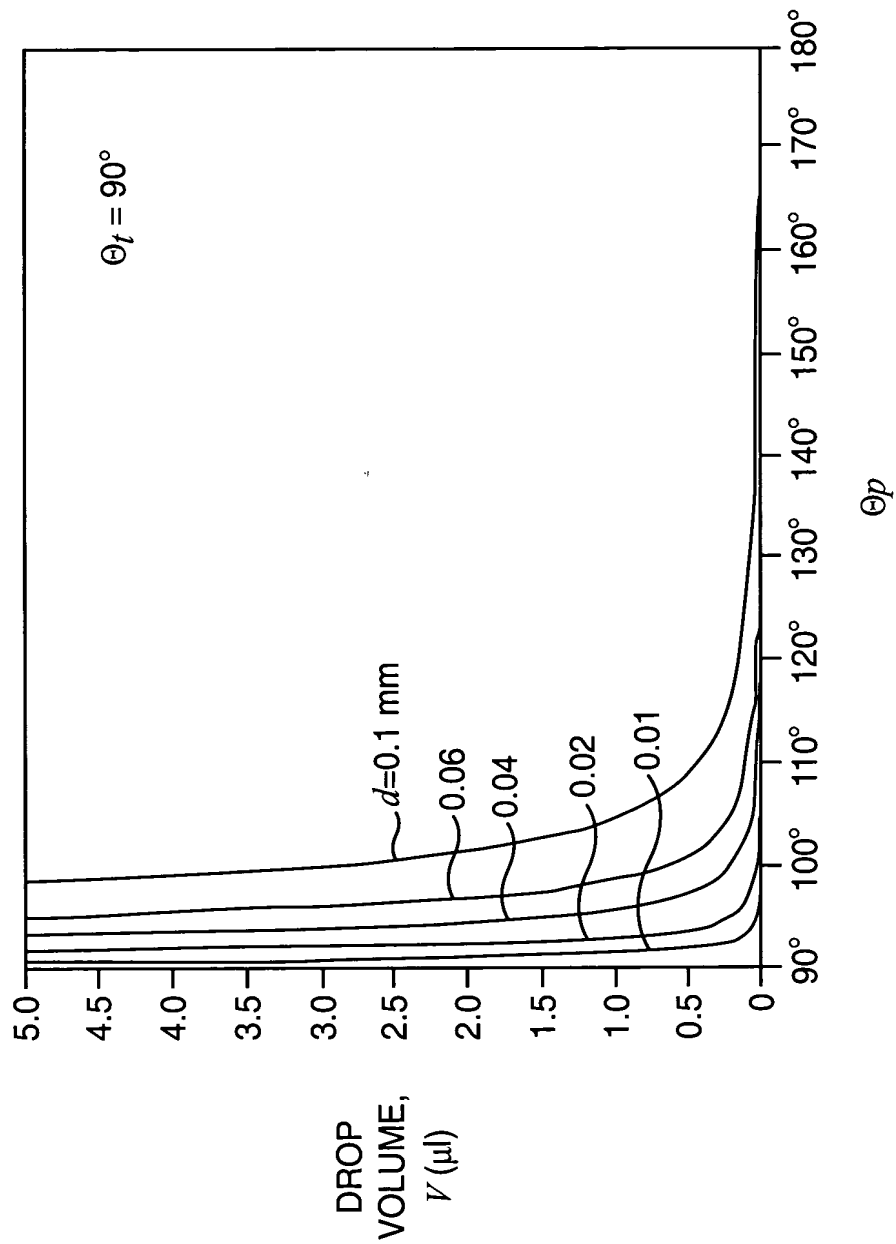


FIG. 9

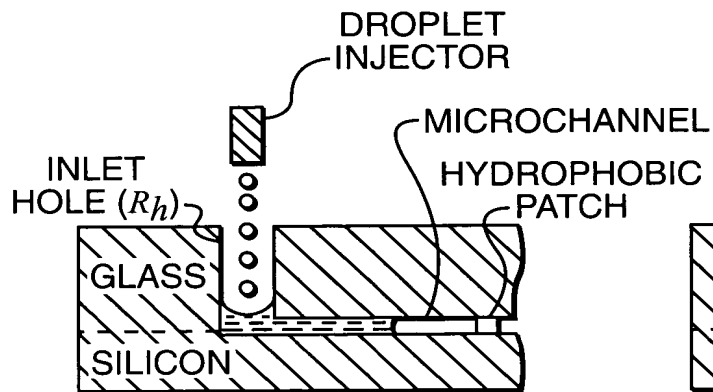


FIG. 10A

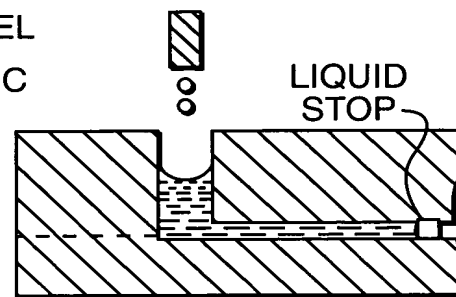


FIG. 10B

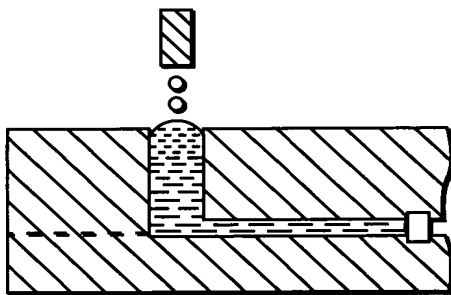


FIG. 10C

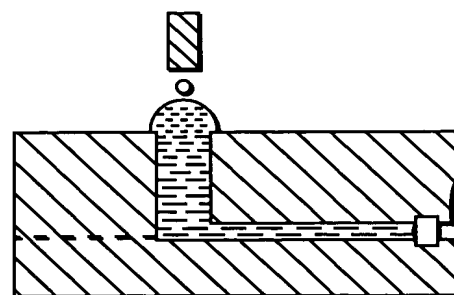


FIG. 10D

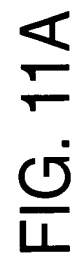


FIG. 11A

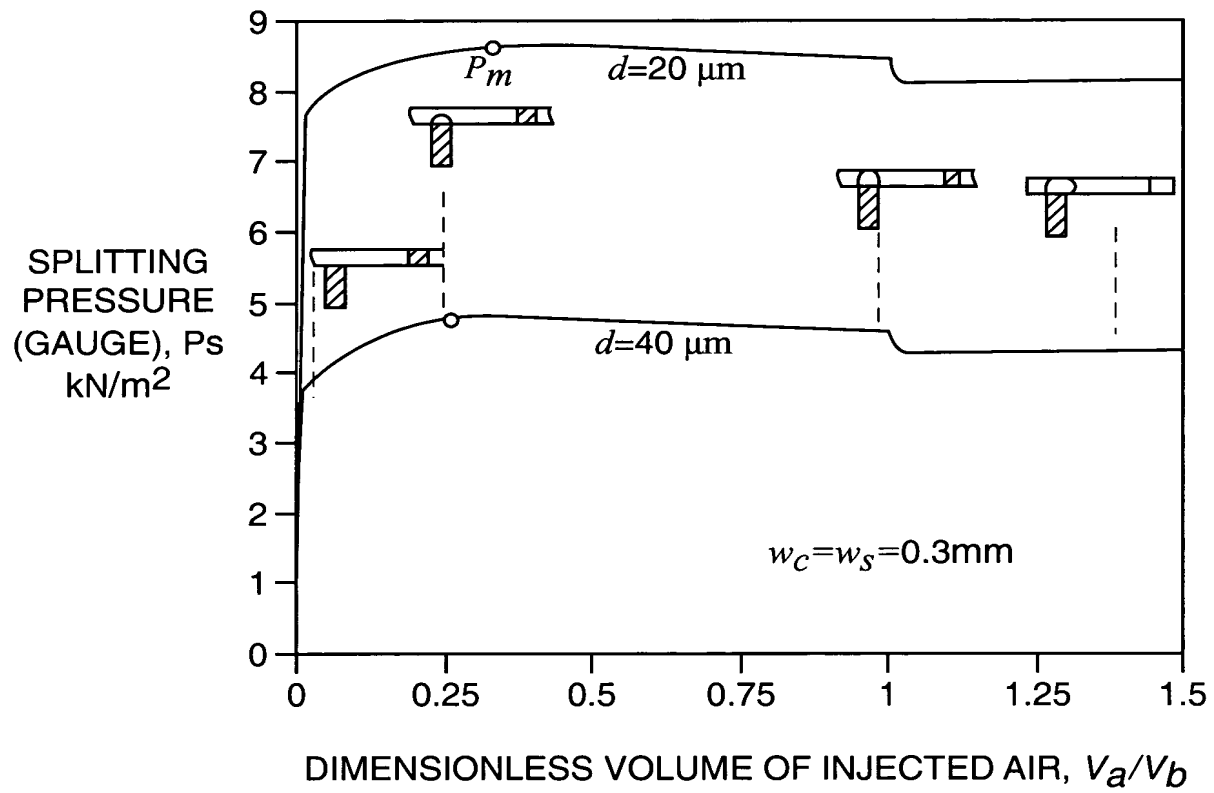
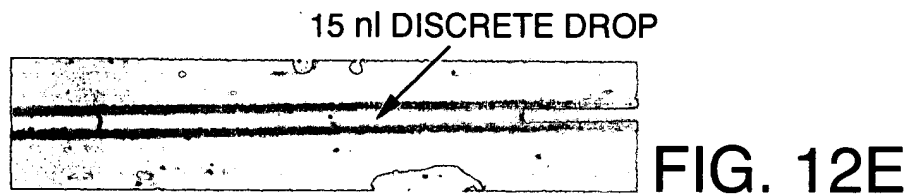
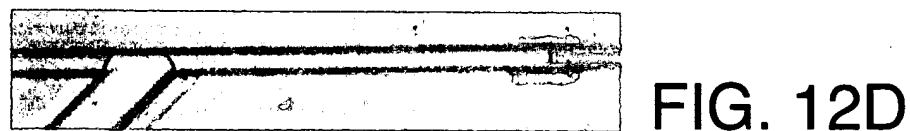
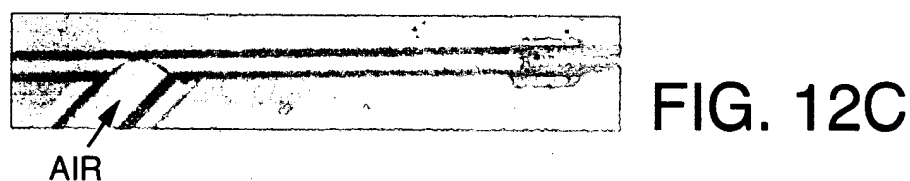
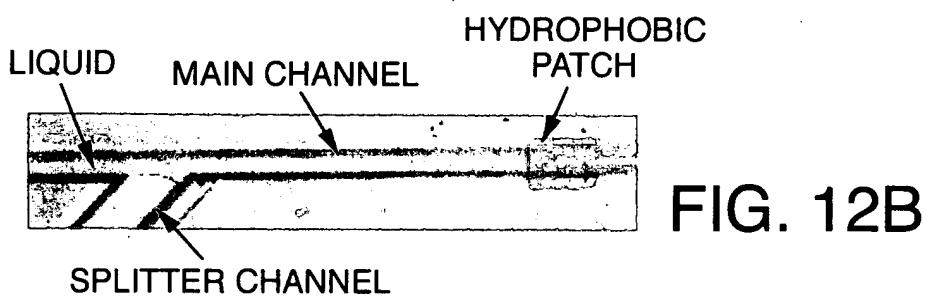
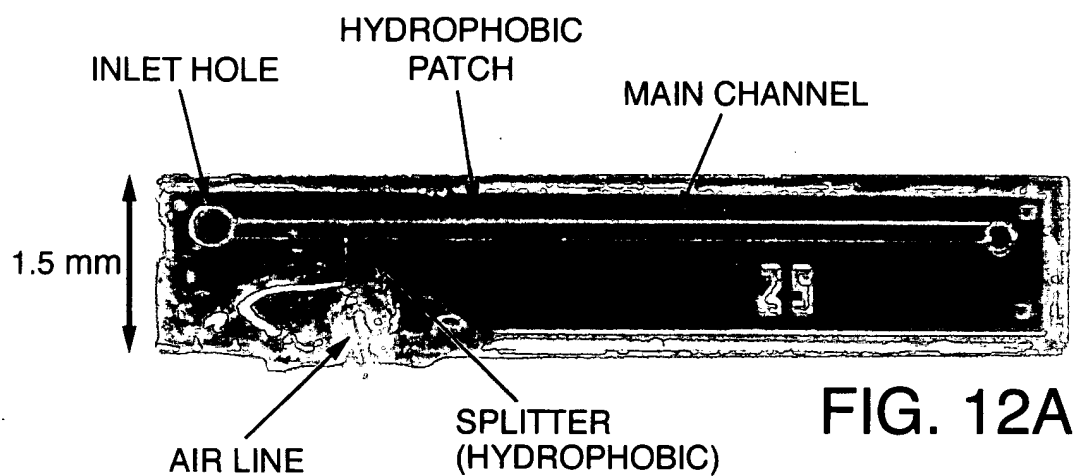


FIG. 11B



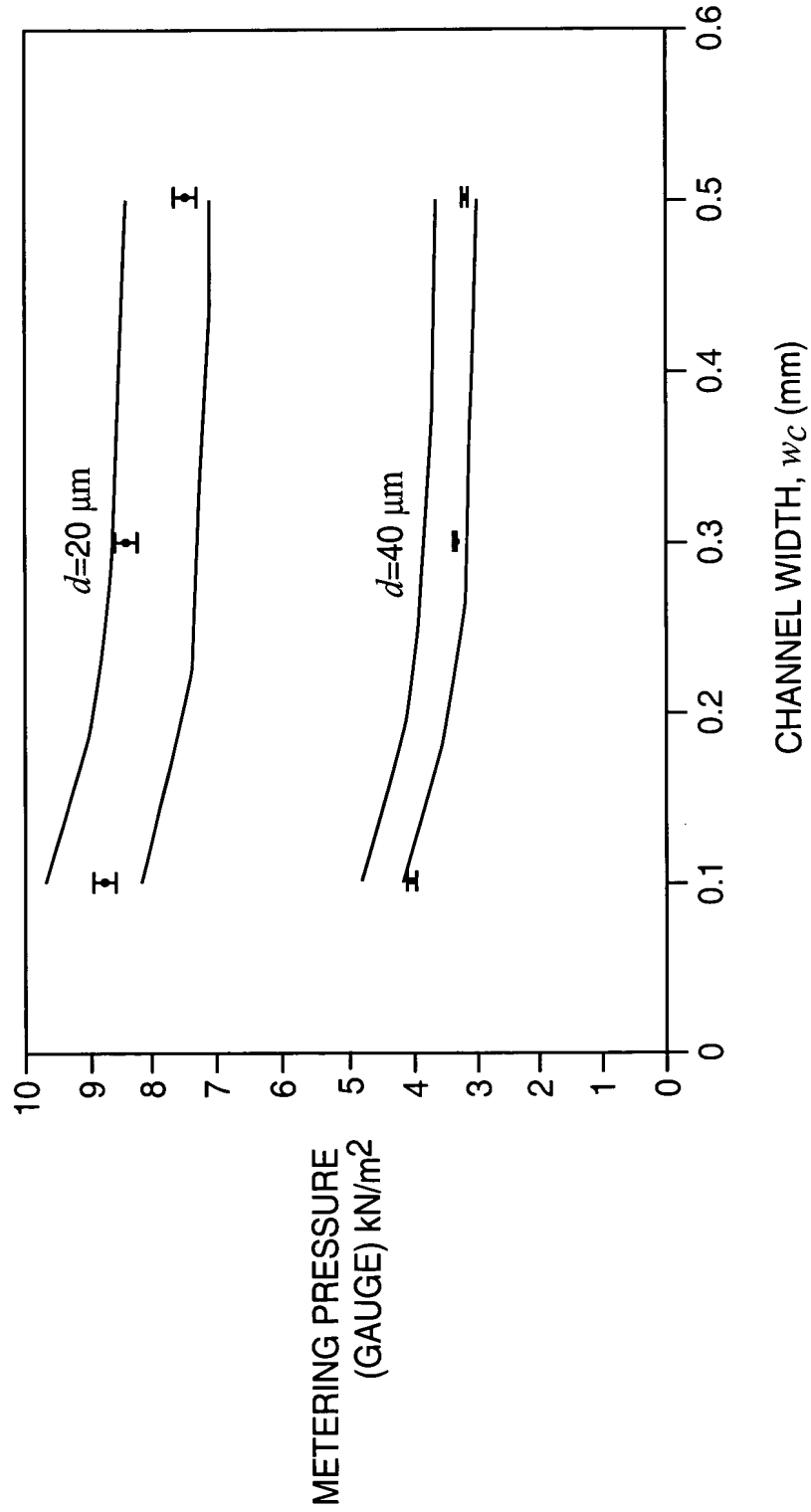


FIG. 13A

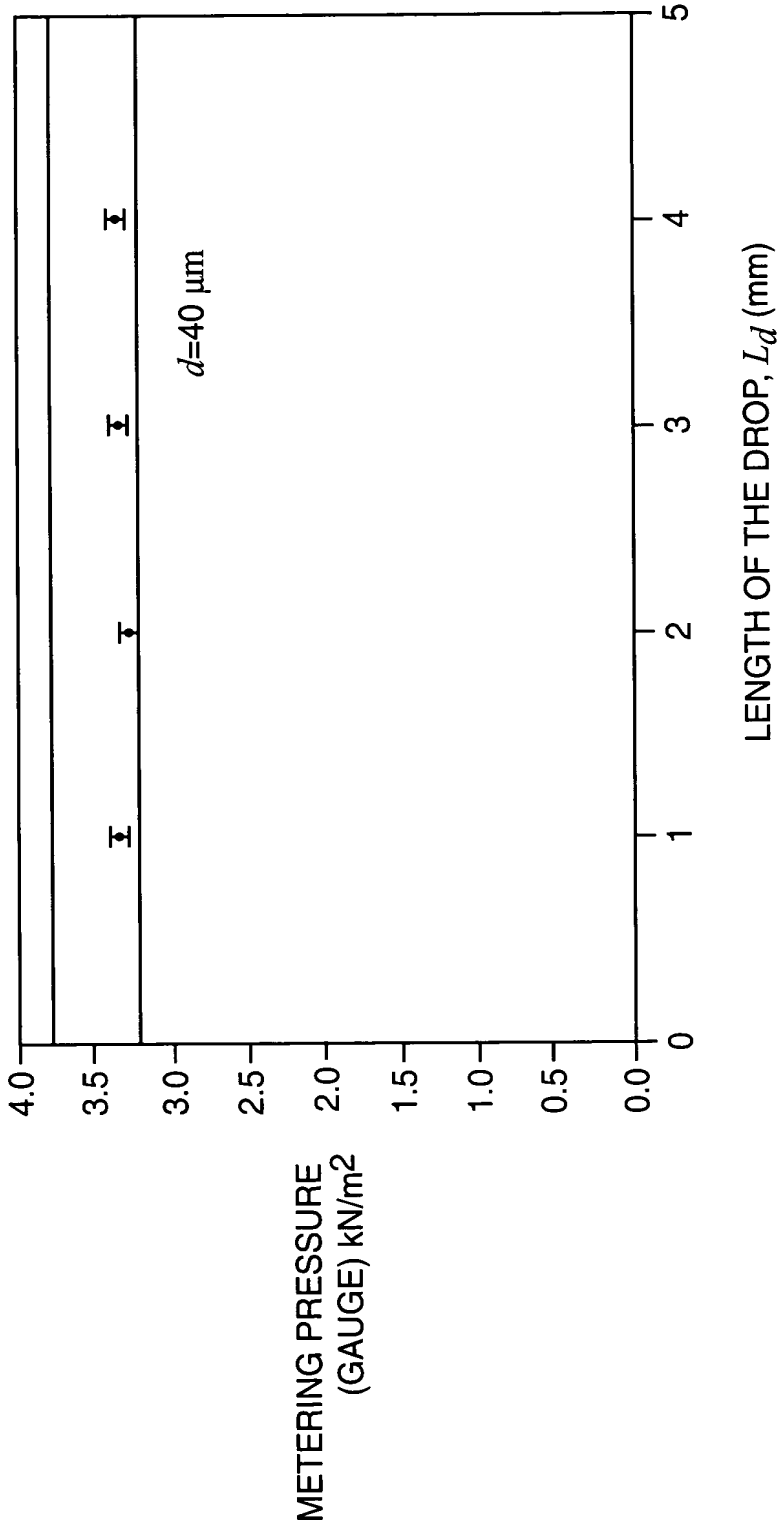


FIG. 13B

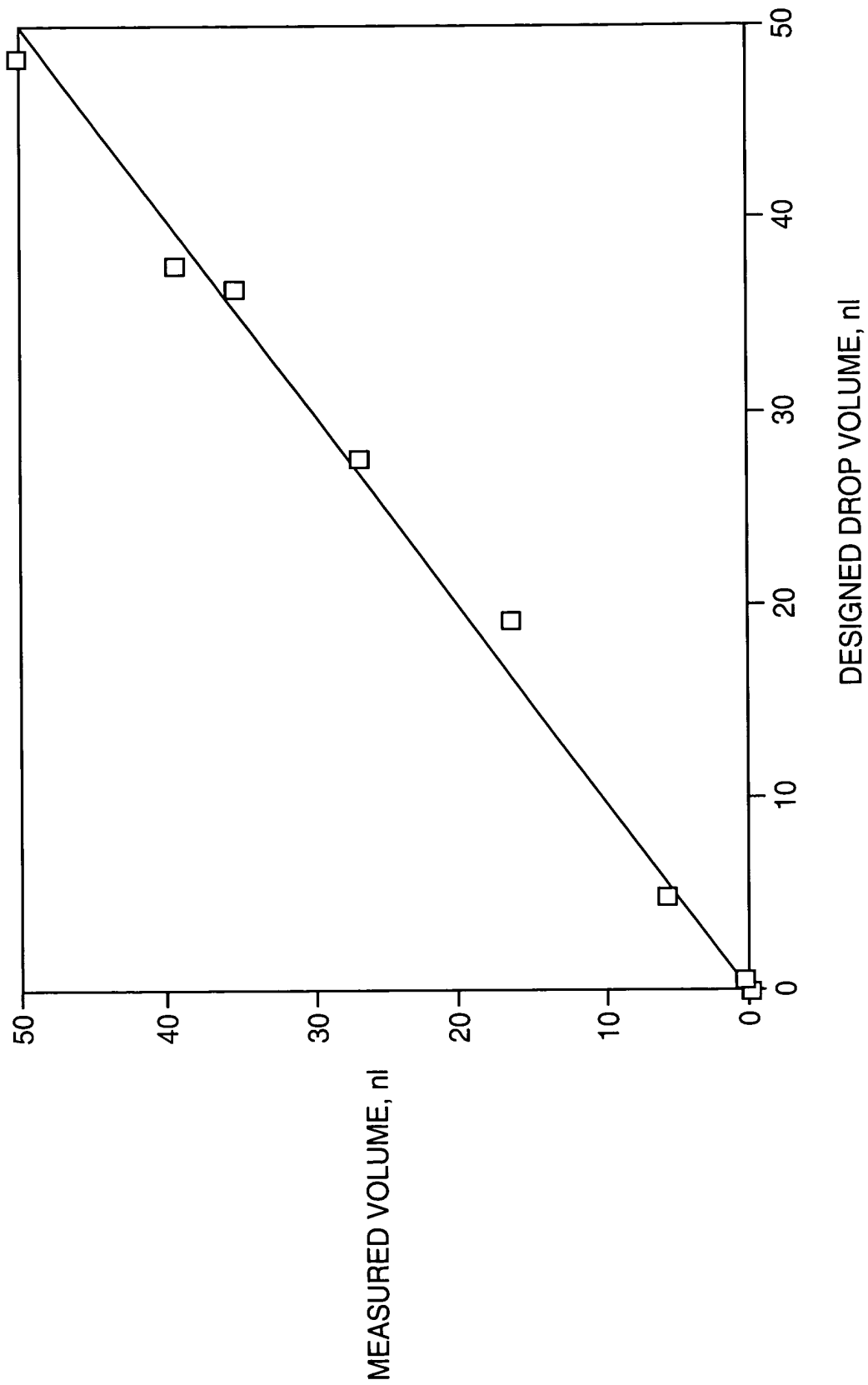


FIG. 14

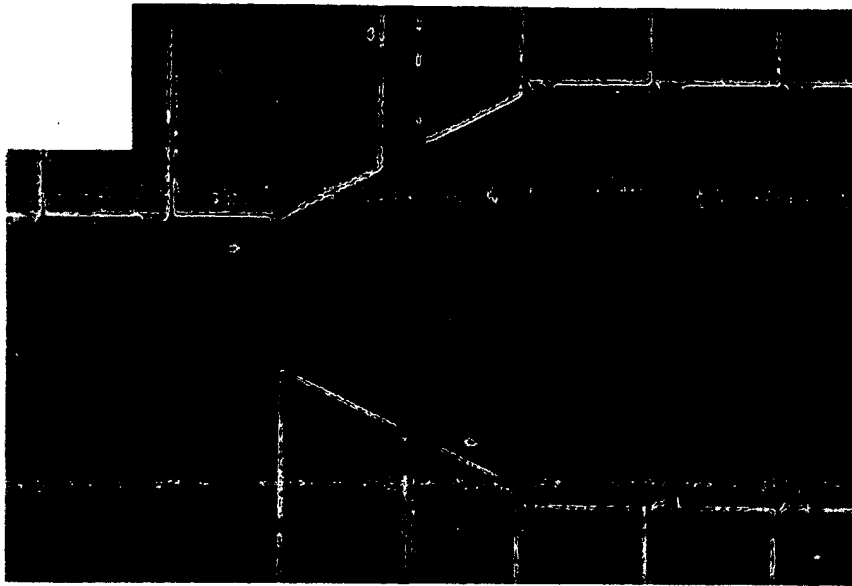


FIG. 15A

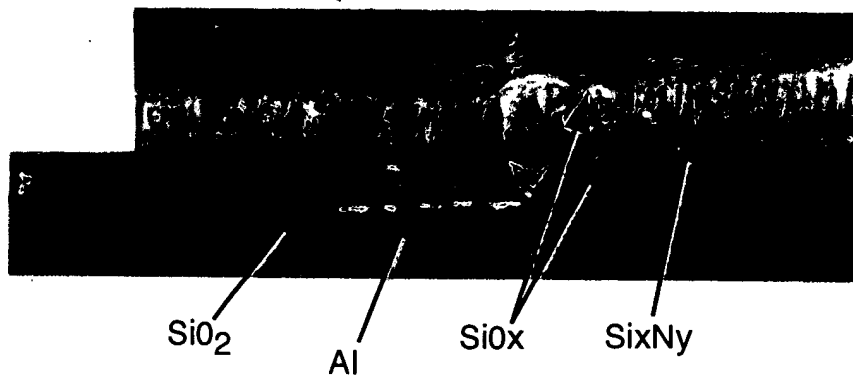


FIG. 15B

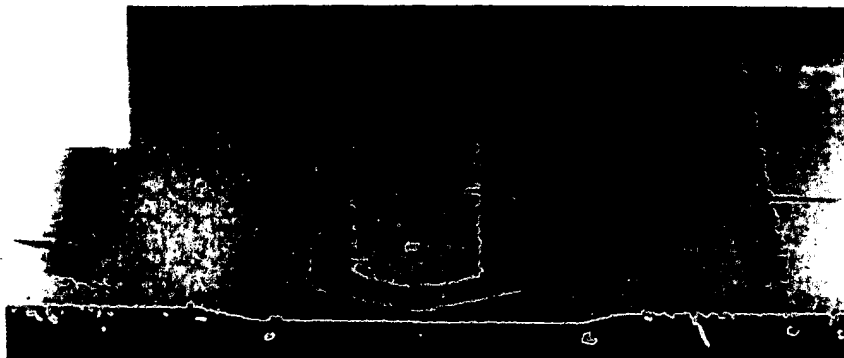


FIG. 15C

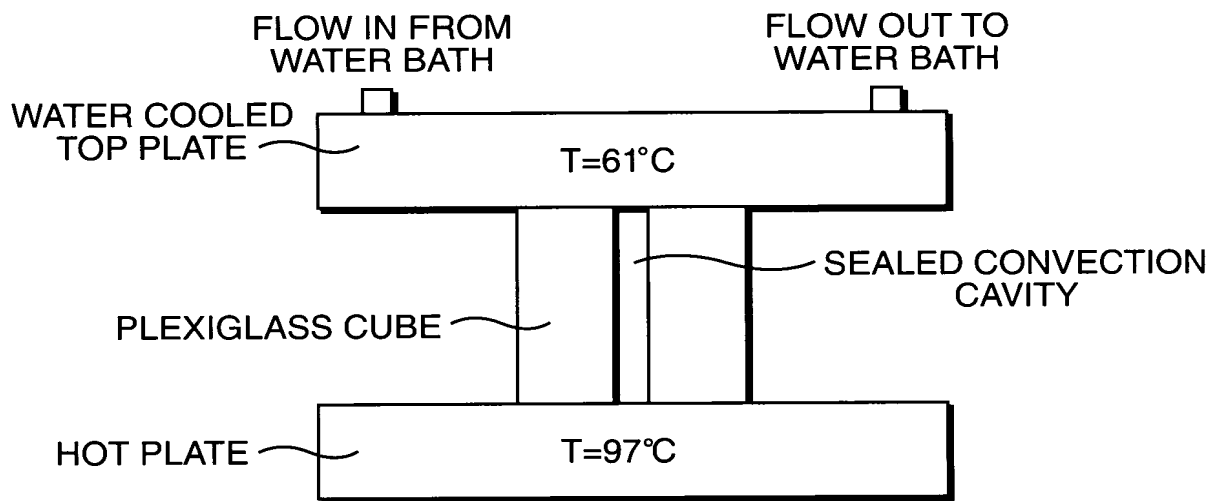


FIG. 16A

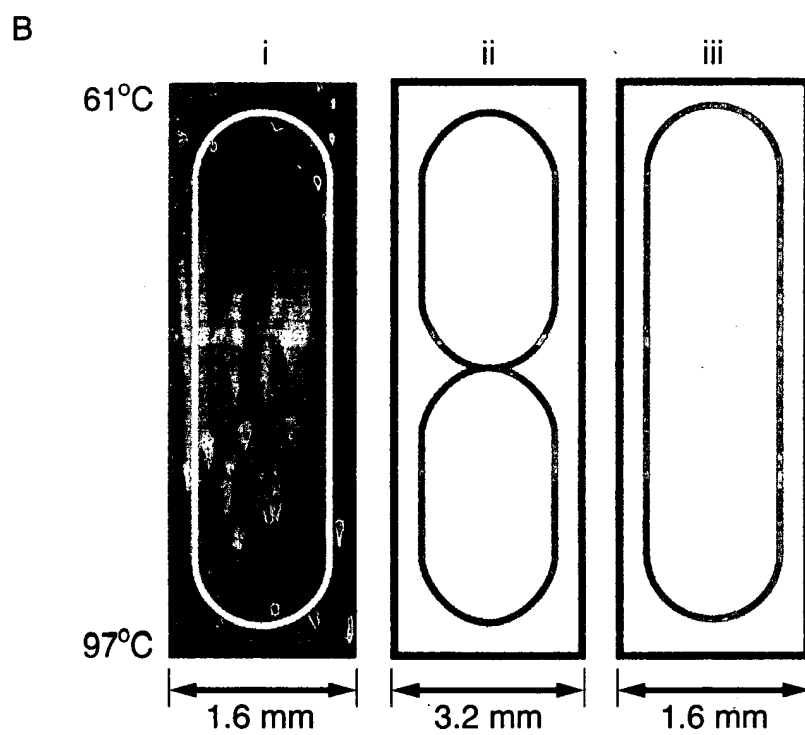


FIG. 16B

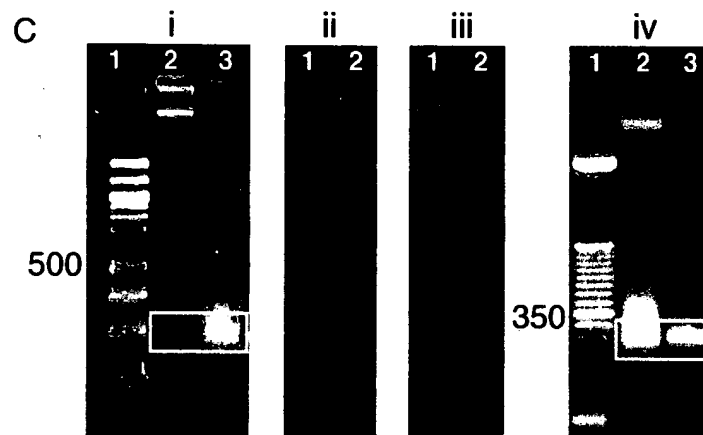


FIG. 16C